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PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

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| Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) | | | Complete if Known | | |
| | | | Application Number | 10/502,453 | |
| | | | Filing Date | January 12, 2005 | |
| | | | First Named Inventor | Kazuo KUMAGAI et al. | |
| | | | Group Art Unit | 1653 1625 | |
| | | | Examiner Name | Not Yet Assigned <i>Covington</i> | |
| Sheet | 1 | of | 1 | Attorney Docket Number | 31671-205693 |

| U.S. PATENT DOCUMENTS | | | | | | |
|------------------------|--------------------------|----------------------|--------------------------------------|--|--|---|
| Examiner Initials * | Cite No. ¹ | U.S. Patent Document | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number | Kind Code ² (if known) | | | |
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| FOREIGN PATENT DOCUMENTS | | | | | | | | |
|--------------------------|--------------------------|-------------------------|---------------------|--------------------------------------|---|--|--|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ₆ |
| | | Office ³ | Number ⁴ | Kind Code ⁵ (if known) | | | | |
| le | A1 | EP | 0 537 622 | A1 | | 04-21-1993 | | |
| le | A2 | WO | 92/16517 | A1 | | 10-01-1992 | | |
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| Examiner Signature | <i>Raymond Covington</i> | Date Considered | 9/28/07 |
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

| | |
|------------------------|---------------------------|
| Application Number | Not yet assigned |
| Filing Date | July 26, 2004 |
| First Named Inventor | Kazuo KUMAGAI et al. |
| Group Art Unit | Not yet assigned 1625 |
| Examiner Name | Not yet assigned Con49705 |
| Attorney Docket Number | 31671-205693 |

U.S. PATENT DOCUMENTS

| Examiner Initials * | Cite No. ¹ | U.S. Patent Document | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|---------------------|-----------------------|----------------------|-----------------------------------|---|--|---|
| | | Number | Kind Code ² (if known) | | | |
| JK | A1 | 5,416,197 | | RAPER et al. | 05/16/1995 | |
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FOREIGN PATENT DOCUMENTS

| Examiner Initials * | Cite No. ¹ | Foreign Patent Document | | | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ₆ |
|---------------------|-----------------------|-------------------------|---------------------|-----------------------------------|---|--|---|----------------|
| | | Office ³ | Number ⁴ | Kind Code ⁵ (if known) | | | | |
| JK | A2 | WO | 98/15628 | A1 | | 04/16/1998 | | |
| JK | A3 | WO | 98/11216 | A1 | | 03/19/1998 | | |
| JK | A4 | WO | 02/09756 | A1 | | 02/07/2002 | | |
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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

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|---------------------|-----------------------|---|----------------|
| JK | A5 | GOSHIMA Y. et al., "Functions of Semaphorins In Axon Guidance and Neuronal Regeneration," Japan J. Pharmacol., Vol. 82(4):273-279, (2000) | |
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| Examiner Signature | Raymond A. Conley | Date Considered | 9/28/07 |
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